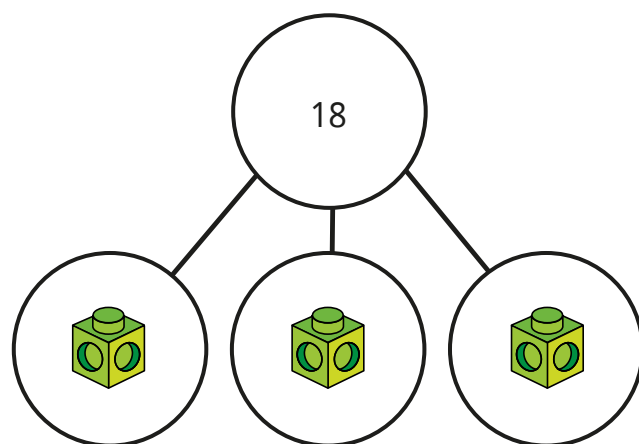


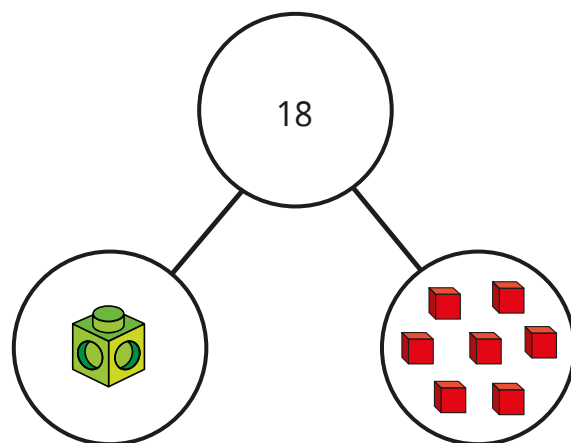
Form equations

1 Match each equation to the part-whole model it represents.

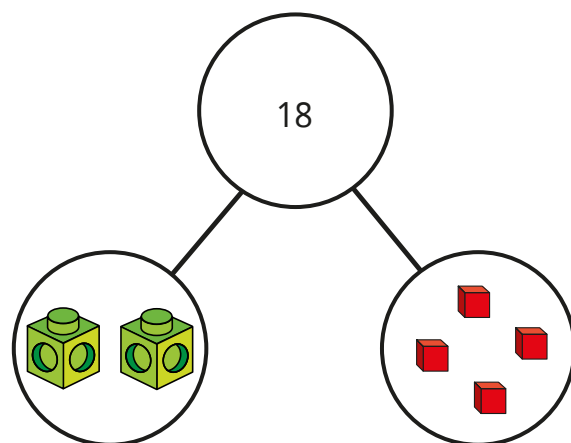
$$y + 7 = 18$$



$$2y + 4 = 18$$

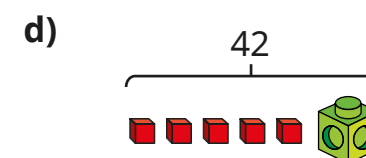
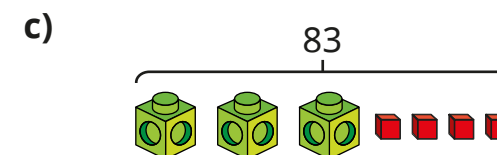
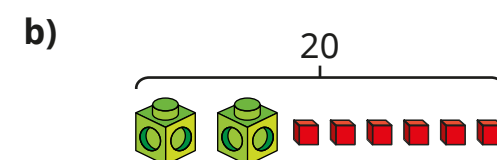
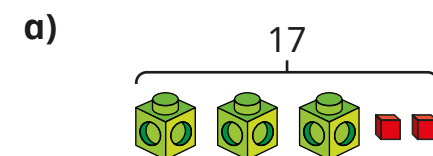


$$3y = 18$$



2 Write the equation represented by each model.

$$\text{green cube} = x \quad \text{red cube} = 1$$



3 Write an equation to match each statement.

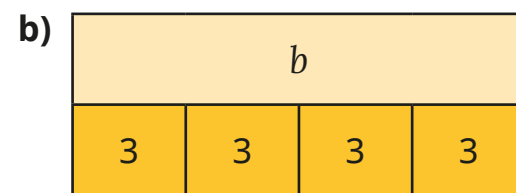
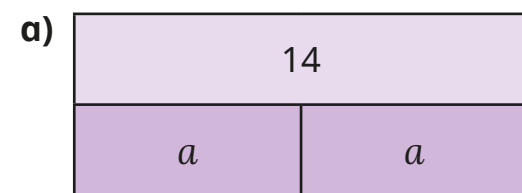
a) Four more than x is equal to 11

b) Seven less than p is equal to 23

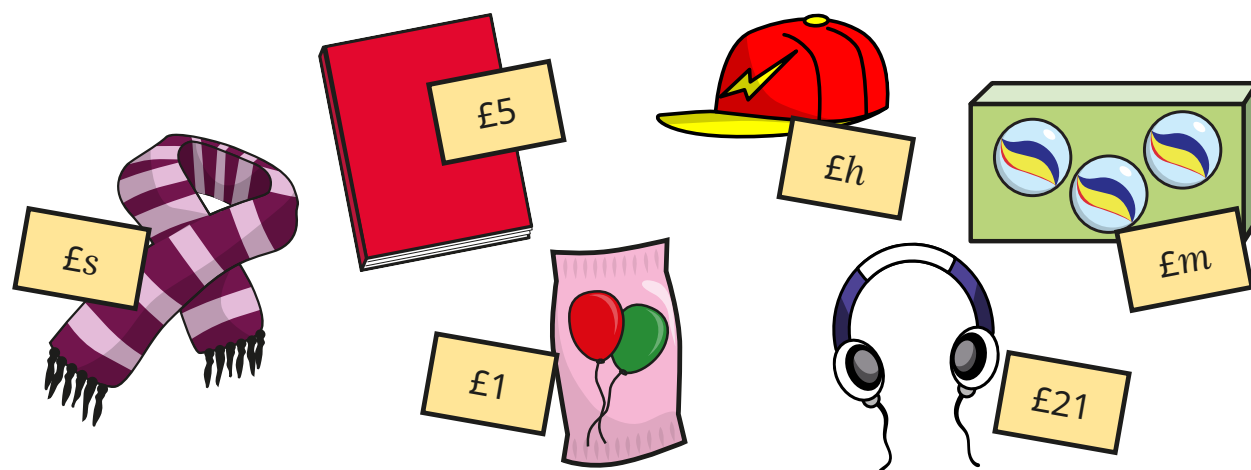
c) Three lots of m is equal to 39

d) One less than four lots of h is equal to 79

4 Write equations to represent the bar models.



5 A shop sells these items.



a) The total cost of a scarf and a book is £17
Form an equation to represent this information.

b) The total cost of 2 packets of balloons and a hat is £11
Form an equation to represent this information.

c) The total cost of a pair of headphones, a scarf and 2 boxes of marbles is £39
Form an equation to represent this information.

Create your own problem like this for a partner.

6 Draw a bar model to represent each equation.

a) $3a = 21$

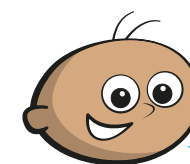
c) $6 + 9 = c$

b) $2b + 6 = 10$

d) $\frac{d}{2} = 7$

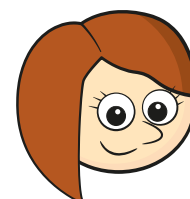
7 Tommy and Rosie are each thinking of a number.
Write an equation to represent each problem.
Call Tommy's number p and Rosie's number m .

a)



I subtract 3 from
my number. I get the
answer 10

b)



I have doubled
my number and added 5
My answer is 19

